

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R001963830001-0

ZARKOV, B. D.

"D. I. Kocherin: Founder of the Geographical Generalization of River Flow,"
Meteorologiya i Gidrologiya, Issue No. 1, 1949.

U-1442, 28 Aug 51

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ORLINOV, V.; ZARKOVA, L.; KONSTANTINOV, E.

Cesium thermionic converter with tungsten tathode at high cathode temperature, Doklady BAN 16 no. 51493-496 '63.

1. Institute of Electronics, Bulgarian Academy of Sciences.
Submitted by Corresponding Member E. Djakov [Dzhakov, E.].

ORLINOV, V.; ZARKOVA, L.; KONSTANTINOV, E.

Gesium thermionic converter with tungsten tathode at high cathode temperature. Doklady BAN 16 no.5:493-496 '63.

1. Institute of Electronics, Bulgarian Academy of Sciences.
Submitted by Corresponding Member E. Djakov [Dzhakov, E.]

YUGOSLAVIA

ZARKOVIC, Prof Dr Grujica [affiliation not given], Sarajevo.

"Observations on Current Public Health Problems at Opstina Level."

Belgrade, Narodno Zdravlje, Vol 19, No 9, 1963, pp 291-294.

Abstract: The author reports on the basis of his inspection of social-medical and hygienic-epidemiological work on the part of health institutions in the 18 opstinas of the srez of Sarajevo that considerable progress has been made in relation to physical and staff conditions but that a lack of financing has crippled preventive medicine, that communal health goals are in need of better definition, that physicians need to be better trained socially and organizationally, that nurses are in increasingly short supply, that salaries should be fully based on output and effect, that long-range planning is vitally needed, that statistics are essential to realistic planning but are nevertheless the most neglected aspect of work in the institutions studied, that unhumane attitudes toward patients and long waiting continue to be the rule, that many services which can now be obtained by patients only through "connections" or outright bribery should be the subject of supplementary charges laid to the patient himself in whole or in part, and that the srez public health institute ought to play a leading role in coordinating communal efforts in this respect. No references.

1/1

DJAKOV, E. [Dzhakov, E.]; ORLINOV, V.; ZARKOVA, L.; KONSTANTINOV, E.

Low-frequency oscillations in thermionic converter with cesium vapors. Doklady RAN 16 no.1:23-26 '63.

1. Physical Institute at the Bulgarian Academy of Sciences.

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of the space charge in the case of low-temperature operation is the same as
that of the breakdown voltage of the frequency f of this type of low-tem-
perature operation. This is due to the fact that the breakdown voltage is de-
pendent on the space charge.

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CIA-RDP86-00513R001963830001-0"

DJAKOV, E. [Dzhakov, E.]; ORLINOV, V.; ZARKOVA, L.; KONSTANTINOV, E.

High-frequency oscillations in a thermionic converter under
the low pressure of cesium vapors. Doklady BAN 15 no.7:
707-710 '62.

1. Institute of Physics at the Bulgarian Academy of Sciences.

TOSHKOV, As.; KHRISANTOVA, TSv.; ZARKOVA, Sl.

Chlortetracycline in experimental typhoid infection. I. Izv. mikrobiol.
inst. (Sofia) 13:73-80 '61.

(TYPHOID exper) (CHLORTETRACYCLINE pharmacol)

ZARKOVA, V. R.

"Equilibres chimiques des reactions entre hydrocarbures. XIe. Zarkova, V. R. (p. 1693)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #18

ZARKOVIC, Grujica

Medical education in the United States. Mar zdr 10 no.3:61-64
'54.

(EDUCATION, MEDICAL
U.S.)

YUGOSLAVIA

ZARKOVIC, G.; FAJGELJ, A.; and POPOVIC, N.; Department of Public Health and Sanitation (Institut za higijenu i socijalnu medicinu, Medicinski fakultet) of Medical College, Sarajevo.

"Penetration of Iodine-131 Through the Intact Human Skin."

Zagreb, Arhiv za Higijenu Rada i Toksikologiju, Vol 16, No 4, 1965; pp 319-327.

Abstract [English summary modified] : Report of investigation on the percutaneous penetration of I₁₃₁ in 17 men and 12 women during 48 hours, as 80 to 100 µc of NaI₁₃₁ under plastic occlusive dressing. Sodium perchlorate 100 mg. was fed daily to prevent thyroid uptake of isotope. Absorption was found higher in women, and higher on the dorsal than palmar surface of hand. Two photographs, 3 tables; 8 Western references; manuscript received 10 Feb 65.

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ZARKOVIC, G.

Effects of iodine prophylaxis of goiter in Bosnia and Herzegovina.
Bul sa Jug 7 no. 6/169 D '62.

1. Medicinski fakultet, Sarajevo.

ZARKOVIC, Grujica, prof. d-r; KNEZEVIC, Zvonko, asist. dipl.kem.

Occupational exposure to ionizing radiations among health workers in
Bosnia and Herzegovina. Med.arh., Sarajevo 14 no.6:7-21 N-D '60.

1. Institut za higijenu i preventivnu medicinu Medicinskog fakulteta
u Sarajevu (Sef: prof. d-r Grujica Zarkovic)
(RADIATION INJURY)
(OCCUPATIONAL DISEASES)

ZARKOVIC, Grujica, d-r

Preventive work of a specialist in clinical disciplines. Voj.san.
pregl., Beogr. 17 no.6:685-690 Je '60.
(SPECIALISM)
(PREVENTIVE MEDICINE)

ZARKOVIC, Grujica, profesor d-r; CUSTOVIC, Fatima, asistenti dipl.hemicar;
PETROVIC, Zivana, dipl.hemicar

Radioactivity of the air and rain measured during 15 months in
1958 and 1959 in Sarajevo. Voj.san.pregl., Beogr. 17 no.9:888-
894 S '60.

1. Medicinski fakultet u Sarajevu, Institut za higijenu i preventivnu
medicinu
(RADIOACTIVE FALLOUT)

ZARKOVIC, Grujica, professor higijene i preventivne medicine, Medicinski
Fakultet, Sarajevo.

Preventive-medical work of a public health center. Narodno zdrav.,
Beogr. 10 no.11:337-339 1954.
(MEDICAL CENTERS
preventive-medical work in)

ZARKOVIC, Grujica, prof., dr.; POPOVIC, Milana, dr.; TURIC, Adelaida, dr.

What do communities know about their health problem. Med. arh. 16
no. 2:13-17 '62.

(PUBLIC HEALTH)

S

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Characteristics and evaluation of public health aspects of existing sources of ionizing radiations in Bosnia and Herzegovina. Med. arh. 18 no.5:17-21 S-0'64.

1. Institut za higijenu i socijalnu medicinu Medicinskog fakulteta u Sarajevu (Sef: Prof. dr. G. Zarkovic).

ZARKOVIC GRUJICA

- Sarajevo, April 1, 1992-93, Vol. 25, No. 4, pp. 61
1. "Residents are predominantly ~~of~~ ^{not} of Bosnian Serb
pp. 1-2.
2. "Frequent Disasters of Floods, Hail and Fire in Sarajevo,
transliterated from the Balkan Slavonic, p. 4-9.
3. "Population and Demography, Population 1991, pp. 10-15.
Population and Demography, 1991, pp. 10-15.
4. "Special Areas - Returns to War and Economic Conditions
5. "New Areas from UN and UN Agencies," pp. 12-15
DATA, pp. 16-20.
6. "Russia and Croatia - Political and Economic Ties,"
Pravoslavie in Srednje Evrope, pp. 22-24.
7. "War in Sarajevo - An Analysis," Frequent Disasters in Sar-
ajevo, p. 20, p. 21.
8. "First Factor in War Difficulties," pp. 23-20.
9. "Motives - an Army of 100,000 Flood Vehicles," pp. 21-22.

— 16 —

ZARKOVIC, G.

Methodology of health protection planning, with a special
emphasis on the said planning in the communes. Bul sc Youg
7 no.1/2:10 F-Ap '62.

1. Institut za higijenu i preventivnu medicinu Medicinskog
fakulteta u Sarajevu.

*

DZUMHUR, M.; ZARKOVIC, G.

How to ensure an adequate and satisfactory health protection
for the school youths in the communes. Bul sc Youg 7 no.1/2:9
F-Ap '62.

1. Institut za higijenu i preventivnu medicinu, Medicinski
fakultet, Sarajevo.

*

ZARKOVIC, G.

Radioactivity of the atmosphere and precipitations in
Sarajevo from October 1958 to May 1961. Bul sc Youg
7 no.1/2:8 F-Ap '62.

1. Institut za higijenu i preventivnu medicinu, Medicinski
fakultet, Sarajevo.

*

YUGOSLAVIA

ZARKOVIC, Prof Dr Grujica [affiliation not given], Sarajevo.

"How to Secure Minimal Standards of Second-Level Instruction at Medical and Stomatological Faculties to Be Acceptable Throughout Yugoslavia."

Belgrade, Narodno Zdravlje, Vol 19, No 6, 1963, pp 184-196.

Abstract: The author points out that the existence of eight medical and three stomatological faculties on an independent basis has led to numerous differences of emphasis, e.g., only specialists and not general practitioners are trained in Ljubljana while medical students in Skoplje no longer study physics, chemistry, or biology. He then discusses specific aspects of instructional standards, viz., duration of instruction (a shortened period with one year of practical work is suggested), instructional plans (an effort at uniformity dating from 1958 was soon forgotten), student selection methods (numbers should be limited, and the proportion of students who can graduate without delays should be increased to 90 percent), study and examination methods (the emphasis is currently on examinations rather than instruction), instruction methods (overemphasis on memory work), instruction quality, possibilities for scientific research work, and students' living conditions. The author proposes that the faculties, physicians' societies, and public health agencies combine to adopt minimal countrywide standards. No references.

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ZAK Roush, G.

- Belgrade, Periodic, 1970, Vol. 17, No. 11, 1971.
1. "Probability of Planning Prevention Health Services for the Population with Special Attention to the Problem of Planning at the Community Level," from Zdravstvo Srbije (Sremsko) pp. 353-366.
 2. "Methodology of studying food consumption in Yugoslavia during initial studies of adequacy of nutritional status of the population," from Zdravstvo Srbije (Sremsko), pp. 366-372.
 3. "Professional Training of Assistants to Factors of Medical Institutions," Milutin Matic (Belgrade), pp. 372-374.
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ZARKOVIC, Gujica

Study of health in factory workers based on data from factory T.
Med. arh., Sarajevo 10 no.5:105-113 Sept-Oct 56.

1. Profesor higijene i preventivne medicine Centralni Higijenski
Zavod, Bosne i Hercegovine.
(OCCUPATIONAL DISEASES, prev. & control
in Yugosl. (Ser))

ZARKOVIC,Grujica,prof. d-r

Role of general practitioners in public health services. Med.
arh., Sarajevo 13 no.5:77-87 S-0 '59.
(PUBLIC HEALTH)
(GENERAL PRACTICE)

ZARKOVIC, Grujica, prof. dr.

The war and urban medical service. Voj. san. pregl., Beogr. 11
no.11-12:650-655 Nov-Dec 54.

1. Medicinski fakultet u Sarajevu.
(CIVIL DEFENSE
med.)

ZARKOVIC, Grujica, dr., Sarajevo

Publishing activity on health statistics in Yugoslavia.
Narodno zdrav., Beogr. ii no.1:7-13 1955.

(VITAL STATISTICS

in Yugosl.)

(PUBLIC HEALTH

in Yugosl.)

ZARKOVIC, G.

"Medical education in the United States." p. 61 (Narodno Zdravlje. Vol. 10, no. 3, 1954,
Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954.
Uncl.

ZARKOVIC, Grujica, doc. dr., Sarajevo.

Health service in the USA. Narodno zdrav., Beogr. 10 no.9:268-273
1954.

(PUBLIC HEALTH
in U.S.)

ZARKOVIC, Grujica, Dr.

Mental hygiene and health service. Med. arh., Sarajevo 9 no.
1:11-18 Jan-Feb 55.

1. Profesor higijene i preventivne medicine, Medicinski
Fakultet, Sarajevo.

(MENTAL HYGIENE,
relation to public health in Yugosl. (Ser))
(PUBLIC HEALTH,
in Yugosl., relation to ment. hyg. (Ser))

ZARKOVIC, Grujica, Dr., profesor higijene na Medicinskom fakultetu u Sarajevu; RADOVANOVIC, Miroslav, Dr., docent higijene na Medicin, fakultetu u Sarajevu; JONIC, Saliha, Dr.

Infant mortality and its prevention in Bosnian villages based on the etiology of infant mortality in the commune of Trnovo.
Med. arh., Sarajevo 11 no.1:67-84 Jan-Feb 57.

1. Skolska Poliklinika u Sarajevu. Centralni higijenski zavod BiH (for Jonic).
(INFANT MORTALITY, statist.
in Yugosl. (Ser))

ZARKOVIC, Grujica, Prof., dr.

Activity of Public Health Centers in the field of preventive
medicine. Higijena, Beogr. 7 no.1-4:30-35 1955.

1. Medicinski fakultet, Sarajevo.
(PUBLIC HEALTH
Public Health Center, role in prev. med. (Ser))

ZARKOVIC, Grujica, Prof., dr.

Teaching of hygiene and epidemiology in our Medical Schools.
Higijena, Beogr. 7 no.1-4:647-652 1955.

1. Medicinski fakultet, Sarajevo.
(EPIDEMIOLOGY, educ.
in Yugosl. (Ser))
(HYGIENE, educ.
same)

ZARKOVIC, Grujica, prof. d-r.; VOLIC, Imina, d-r.

Epidemiology of rachitis in two Bosnian villages. Med. arh.,
Sarajevo 11 no.3:1-10 May-June '57.

1. Centralni higijenski zavod--Sarajevo. Direktor: d-r Ante Jammicki.
(RICKETS, epidemiol.
in Yugosl. (Ser))

ZARKOVIC, G.

"How to take the préliminary steps toward a reform of medical education," p. 253
(NARODNO ZDRAVLJE, Vol. 8, no. 9, 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress
August, 1953, Uncl.

ZARKOVIC, Grujica, Doc. dr.

Certain problems of medical education. Med. pregl. 7 no.1:
40-45 1954.

1. Institut za higijenu i preventivnu medicinu Medicinskog
fakulteta, Sarajevo.
(EDUCATION, MEDICAL.)

ZARKOVIC, Grujica, dr.

New progress in the epidemiology and its significance for Yugoslav epidemiology in theory and practice. Higijena, Beogr. 5 no.6:343-361 1953.

1. Institut za higijenu i preventivnu medicinu - Medicinski fakultet,
Sarajevo
(EPIDEMIOLOGY
Yugosl.)

ZARKOVIC, Grujica, prof. dr. (Sarajevo)

Preventive activity of a specialist in clinical practice. Med.

glasn. 14 no.4:199-205 A '60.

(SPECIALISM)

(PREVENTIVE MEDICINE)

ZARKOVIC, M.

Plastic protective coatings against corrosion. p. 10.
(Hempro-bilten, Vol. 7, No. 4, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

ZARKOVIC, S.

Some observations relating to the organization of our
statistics. p. 1303. Vol. 9, No. 8, 1954. TEHNIKA.
Beograd, Yugoslavia.

SOURCE: East European Accessions List. (EEAL) Library
of Congress, Vol. 5, No. 8, August, 1956.

ZARKOVIC, Stjepan [translator]

The welding of the bases of overstrained pipes from the low-alloyed
and high-alloyed steel. Zavarivanje 5 no.2:35-47 '62.

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ZARKOVIC, S. [translator]

Argonarc welding. Pt. 2. Zavarivanje 6 no. 11: 254-258
N '63.

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ZARKOVIC, S. [translator]

Argonarc welding, Pt.1.Zavarivanje 6 no.10:230-233 0'63.

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RUBO, E., Dr. ing. (Butzbach/H); ZARKOVIC, Stjepan [translator]

Development and systematics of the quality factor. Zavarivanje
6 no.4:77-86 Ap '63.

SCHILLER, A., dr. inz.; ZARKOVIC, Stjepan [translator]

Some peculiarities of welding technique in the construction of
nuclear reactors. Zavarivanje 4 no.4:85-89 Ap '61.

ZICIC,M.; ZARKOVIC,S.

Built-up welding of machine parts and tools. Zavarivanje 3
no.2:38-41 F '60

PEASE, G.R.; ZARKOVIC, S., (Translator)

Welding of ductile cast iron. Zavarivanje 4 no.8:161-171 0 '61

TERRY, C.A. ; TINSLEY, A. B.; ZARKOVIC, Stjepan (translator)

Arc welding of low-alloy steel plates with the application of powder
on the front and back sides of the weld. Zavarivanje 3 no. 7/8:143-149
S-0 '60.

ZARKOVIC, V.

Union of Communist Youth of Yugoslavia in the National Liberation Struggle.
p. 266.

VJENČE DELO. Beograd, Yugoslavia. Vol. 11, no. 4/5, Apr./May 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

ZIVCIC, (Zagreb); ZARKOVIC, (Zagreb)

Influence of the purity of oxygen on the speed of and losses in
gas-cutting. Zavarivanje 3 no. 3:59-61 Mr '60

1. Tvornica parnih kotlova, Zagreb.

ZARKOVSKIY, A. G.

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1772
AUTHOR ZARKOVSKIY, A.G., TODES, O.M.
TITLE The Reflection of Waves by an Isotropic Inhomogeneous Layer.
PERIODICAL Zurn. eksp. i teor. fiz., 31, fasc. 5, 815-818 (1956)
Issued: 1 / 1957

Particular interest is caused in practice by strata-like media for which the optical constants within the layer and on its boundaries may suddenly change. For such cases the approximation method discussed in the present paper is best employed.

The Solution Method: Let us investigate an unlimited stratumlike inhomogeneous plate with the thickness d , upon which from the left a plane electromagnetic wave impinges under a certain angle θ_1 against the vertical. On this occasion the wave is partly reflected by the front boundary, partly passes through the layer, and emerges from the layer through a second boundary under a certain angle θ_2 . A formula is explicitly given for the constant distribution of the electromagnetic waves in the layers. The dielectricity constant $\epsilon(z)$ and the conductivity $\sigma(z)$ are assumed to change along the layer according to a certain rule. The medium located on the right and on the left of the layer as well as the layer itself are assumed to be nonferromagnetic with the dielectricity constant = 1. The reflection coefficient of the wave on the layer must be carried out separately for the waves which are polarized parallel and vertical to the plane of incidence. At first an s-wave is studied the electric vector of which is vertical to the plane of incidence. On this occasion the amplitude $E = E_y$

Zurn.eksp.i teor.fis, 31, fasc.5, 815-818 (1956) CARD 2 / 2 PA - 1772

satisfies the following equation: $(\partial^2 E_y / \partial x^2) + (\partial^2 E_y / \partial z^2) + k^2(z)E_y = 0$. For the solution of this equation within the layer the following ansatz may be

$$\text{used: } E_y = \exp[ik(z)\sin\theta(z)x] \left\{ E^+ \exp\left[i \frac{\omega}{c} \int_0^z f_s(z) dz\right] + E^- \exp\left[-i \frac{\omega}{c} \int_0^z F_s(z) dz\right] \right\}$$

By solution of the auxiliary equations derived therefrom in consideration of the boundary conditions for the incident, reflected, and passed through waves it is possible to determine the reflection coefficient on the layer. In order to obtain an approximated solution the unknown functions f_s and F_s of the aforementioned auxiliary equation are developed in power series. The coefficients of these series satisfy the usual approximation of geometric optics.

For layers that are much thinner than the wavelength, also developments in series are given and the coefficients of the series are computed by successive integration.

In the case of p-waves the electric vector is in the plane of incidence and it is more to the purpose to solve the equation for the magnetic vector. The further computation of the reflection coefficient takes a similar course as above. In practice the first two or three terms of the series will be found sufficient. In conclusion an example is discussed in short.

INSTITUTION:

ZARKOWIECKI, K. and others

"Molecular Structure of Dextran Hydrolysis Products", p.27
(ACTA BIOCHIMICA POLONICA, Vol. 1 No. 1/2, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5
May 1955, Uncl.

DZHANASHVILI, Archil Gevrilovich; KUTUBIDZE, Levrosiy Yevseyevich;
ZARKUA, Dimitriy Grigor'yevich; TSERTSVADZE, L., red.izd-va

[A guide to the birds of Georgia] Opradelitel' ptits Gruzii.
Tbilisi, Izd-vo TGU im. Stalina, 1960. 321 p. [In Georgian]
(MIRA 14:4)

(Georgia--Birds)

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KUPERMAN, G.M.; GOGORISHVILI, P.V.; GONGLIASHVILI, A.N.; ZARKUA, N.P.

Preparation by the autoclave method of a solution of zinc sulfate from a concentrate of the Kvaisi sulfide ore deposit.
Trudy Inst.khim,AN Gruz.SSR 16:9-13 '62. (MIRA 16:4)
(Zinc sulfate) (Kvaisi region--Sulfide ores)

KUPERMAN, G.M.; GOGORISHVILI, P.V.; ZARKUA, N.P.; GONGLIASHVILI, A.N.

Extraction of copper from sulfide ores by the autoclave method.
Soob.AN Gruz.SSR 25 no.5:533-538 N '60. (MIRA 14:1)

1. Akademiya nauk GruzSSR, Institut khimii imeni P.G.Melikishvili,
Tbilisi. Predstavleno chlenom-korrespondentom Akademii G.V.
TSITSISHVILI. (Copper-Metallurgy)

KUPERMAN, Q.M.; GVARAMADZE, D.Kh.; DZHIKIYA, S.I.; ZARKUA, N.P.

Obtaining soda from mirabilite and barite of Georgian
deposits. Trudy Inst. khim. AN Gruz.SSR 11:117-125
'53.

(MLRA 10:2)

(Sodium sulfate) (Mirabilite) (Barite)

KUPERMAN, G.M.; DZHIKIYA, S.I.; ZARKUA, N.P.

Obtaining caustic soda and barium white from local raw
materials. Trudy Inst. khim. AN Gruz.SSR 11:127-142 '53.

(MLRA 10:2)

(Sodium hydroxide) (Barium sulfate)

ZARMA, M., dr. (Bucuresti)

Microbiology of inland waters. Natura Biologica 15 no.1:29-36
Ja-F '63.

ZARMA, M.

Microorganisms fixing molecular nitrogen in the Black Sea. 1. Considerations on species and varieties of the Azotobacter genus from the Black Sea. p.33.

(BULETIN STINTIFIC. SECTIA DE BIOLOGIE SI STINTE AGRICOLE. Vol. 9, No. 1,
Jan./Mar. 1957. Rumania)

SG: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 10, October 1957. Unc1.

RUMANIA

ZARNA, M., Dr., Bucharest (affiliation not given)

"The Microbiology of Inland Waters."

Bucharest, Natura, Seria Biologie, Vol 15, No 1, Jan-Feb
1963, pp 29-35.

Abstract: A review article on the importance of the microbiology of inland waters for economic purposes, and a quantitative description of the microorganisms in the waters, the functions of bacteria and microorganisms, pisciculture, etc. Also discusses the importance of knowing the exact microbiology of waters in determining the type and amount of nutritional additives to be used.

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BELYAYEV, V.S., inzh., red.; BUKHANOVA, L.I., inzh., red.; VLASOV,
V.M., inzh., red.; GLADILIN, L.V., prof.; doktor tekhn.nauk, red.;
GREBTSOV, N.V., inzh., red.; GRECHISHKIN, F.G., inzh., red.; GON-
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Country: Rumania

Academic Degrees:

Affiliation: -not given-

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ZARNIC, Ivan Dr.

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